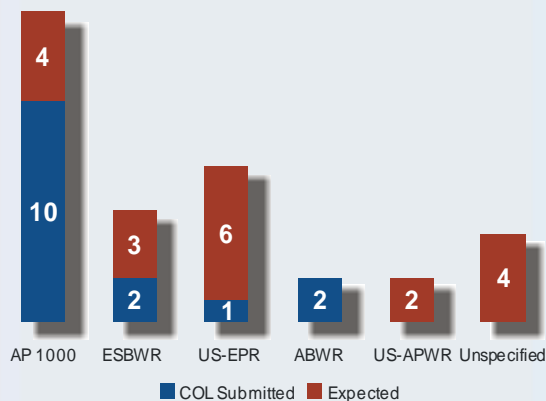


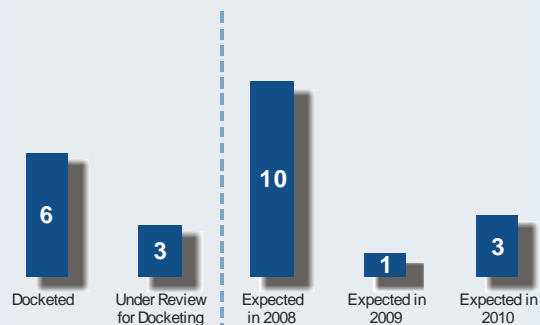
Quick Statistics

Early Site Permits issued	3
Permits under review	1
Total COL applications submitted	9
COL applications docketed	6
Certified reactor designs	2
Reactor designs under review	4
Expected license applications	23
Expected number of reactors	34
Announced plant locations	20
Companies applying for COL	20

Number of Planned Reactors (34)



Status of License Applications (23)



Announced Nuclear Locations

- Bellefonte (AL)—Tennessee Valley Authority
- Elmore County (ID)—Alternate Energy Holdings
- Callaway (MO)—AmerenUE
- Calvert Cliffs (MD)—UniStar
- Clinton (IL)—Exelon
- Comanche Peak (TX)—Luminant (formerly TXU)
- Fermi (MI)—DTE Energy
- Grand Gulf (MS)—Entergy
- Shearon Harris (NC)—Progress Energy
- Levy County (FL)—Progress Energy
- Nine Mile Point (NY)—UniStar
- North Anna (VA)—Dominion Energy
- River Bend (LA)—Entergy
- South Texas Project (TX)—STP Nuclear
- V.C. Summer (SC)—SCE&G
- Susquehanna (PA)—PPL
- Turkey Point (FL)—Florida Power & Light
- Victoria County (TX)—Exelon Generation
- Vogtle (GA)—Southern Nuclear
- William States Lee III (SC)—Duke Energy

Vendor Technology Under Consideration

General Electric

- Advanced Boiling Water Reactor (ABWR), 1,356 MWe (*certified 10CFR52 App A*)
- Economic Simplified Boiling Water Reactor (ESBWR), 1,560 MWe

Westinghouse

- Advanced Passive Pressurized Water Reactor (AP1000), Twin units 1,117 MWe each (*certified 10CFR52 App D*)

AREVA

- United States Evolutionary Pressurized Water Reactor (US EPR), 1,600 MWe

Mitsubishi Heavy Industry

- United States Advanced Pressurized Water Reactor (US APWR), 1,700 MWe



U.S. Department of Energy
Office of Nuclear Energy

Nuclear Power Deployment Scorecard

Powering Future Decades



U.S. Department of Energy
Office of Nuclear Energy

May 5, 2008

Updates available at
<http://www.nuclear.gov>

What's New

On April 28, NRC announced a hearing for the William Lee COL application in South Carolina.

A second unnamed company has notified the NRC of its intent to pursue a COL.

NRC docketed Entergy's application to build an ESBW at their Grand Gulf site on April 17.

NRC docketed Progress Energy's application to build an AP1000 at their Harris site on April 17.

On April 11, DOE announced a planned loan guarantee solicitation this summer, including \$18.5 billion for nuclear power facilities and \$2.0 billion in the "front end" of the nuclear fuel cycle.







On April 11, NRC issued a 60-day extension for petition to Intervene in the COL for Bellefonte.

Georgia Power entered into an EPC contract with Westinghouse and the Shaw Group on April 8, 2008 for two Westinghouse AP1000 reactors at the Vogtle site in Georgia. The contract will be submitted to the Georgia Public Service Commission as a capacity request (expected May 2008), which will be reviewed with competing base-load generation bids.

Alternate Energy Holdings abandoned the proposed Bruneau site April 5 in favor of Elmore County, Idaho.

DOE and NRC issued a joint lessons learned report March 26 for NP2010 early site permits (<http://www.nuclear.gov/pdfFiles/FinalReportonESPLessonsLearned.pdf>).

Legend

-  Implementation proceeding according to plan and schedule
-  Progress being made; however, issues or uncertainties exist that could impede progress
-  Unlikely to realize objectives absent significant management attention
-  No dates or end state established
-  Indicates change in status or progress since last evaluation
-  Regulatory Demonstration completed. No further government assistance is warranted.

Nuclear Power Deployment Scorecard



Early Site Permit (ESP)

- Three site permits issued by NRC (*Clinton, Grand Gulf, North Anna*)
- One site permit application under NRC review (*Vogtle*)
- Submission of three other ESP applications expected in 2010-2012



Combined Construction and Operating License (COL)

License Applications Submitted to NRC

- Six COL applications docketed for NRC review (*STP, Bellefonte, Harris, Grand Gulf, North Anna, Lee*)
- Three COL applications submitted to NRC awaiting acceptance (*Calvert Cliffs, Vogtle, V.C. Summer*)
- Submission of 14 additional COLs expected in 2008-2010
- Three applications expected in the 3rd quarter (*Callaway, Comanche Peak, and Levy County*)



Licenses to Build Issued by NRC

- NRC anticipates issuing COL 42 months after docketing



Reactor Design Certification (DC)

- Two advanced reactor designs certified by NRC (*ABWR and AP1000*)
- Four reactor designs undergoing NRC certification review (*ESBWR, US-EPR, AP1000 amendment, and US-APWR*)



New Nuclear Plant Orders



Long-Lead Equipment Orders

- Six utilities have ordered large long-lead nuclear component forgings with three reactor vendors
- No other long-lead equipment (e.g., heat exchanger and generator) have been ordered to date
- Japan Steel Works is only manufacturer of ultra-large forgings worldwide-capacity limited



Engineering, Procurement and Construction Contracts (EPC)

- One EPC contract initiated; negotiations on-going among vendors and several utilities
- Plant engineering in progress; completion required to start construction



New Nuclear Plant Construction, Operation & Deferral

- No utility has committed to constructing a new plant



Federal Financial Incentives



Standby Support (Risk Insurance)

- Final 10 CFR Part 950 Rule issued August 11, 2006
- Received first Notice of Intent to Request a Conditional Agreement - April 21, 2008



Production Tax Credits

- Internal Revenue Bulletin 2006-18 published May 2006
- Publish regulation for Production Tax Credit in FY08



Energy Facility Loan Guarantee

- Final 10 CFR Part 609 Rule amended January 18, 2008
- Solicitation for small scale loan guarantees closed December 2006
- No solicitation issued for nuclear plant loan guarantees
- \$18.5 billion approved for loan guarantees for nuclear plants December 2007
- Implementation plan submitted to Congressional Committees April 11, 2008